

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-9. (Canceled).

10. (New) A packet transmitting apparatus comprising:

a calculator that calculates a round trip time required to communicate to and from a destination as a session continuation time;

a transmitter that transmits to the destination a plurality of packets, successively, and a session close notice packet, containing an indication of the calculated session continuation time and a communication session closing, after the plurality of packets are transmitted;

a retransmission component that retransmits to the destination, during a communication session, an errantly received packet in response to a retransmission request issued by the destination; and

a closing component that closes the communication session for transmitting the plurality of packets and retransmitting errantly received packets, after the expiration of the calculated

session continuation time since the transmission of the session close notice packet to the destination, wherein:

packets retransmitted before the transmission of the session close notice packet are transmitted with the plurality of packets transmitted by the transmitter, and

after the session close notice packet is transmitted, the retransmitting component retransmits only packets that are determined to be missing at the destination before the session close notice packet is received at the destination.

11. (New) A data receiving apparatus comprising:

a receiver that receives packets from a data transmitting source via a packet communication network;

a missing packet determining component that determines whether an expected packet is missing or not;

a round trip time calculating component that calculates a round trip time required to communicate between the data transmitting source and the data receiving apparatus;

a control information receiving component that receives a session close notice packet, which includes an indication of a session continuation time, from the data transmitting source; and

a retransmission requesting component that issues, during a retransmission communication session, a retransmission request for a packet determined to be missing, wherein:

after the session close notice packet is received, the retransmission requesting component issues a retransmission request only for packets that are determined to be missing before the session close notice packet is received, and

the retransmission communication session ends when the calculated round trip time exceeds the remaining part of the session continuation time indicated in the received session close notice packet.

12. (New) A packet transmission method comprising:

calculating a round trip time required to communicate to and from a destination as a session continuation time;

transmitting to the destination a plurality of packets, successively;

transmitting a session close notice packet, containing an indication of the calculated session continuation time and a communication session closing, after the plurality of packets are transmitted;

retransmitting to the destination, during a communication session, an errantly received packet in response to a retransmission request issued by the destination; and

closing the communication session for transmitting the plurality of packets and retransmitting errantly received packets after the expiration of the calculated session continuation time since transmitting the session close notice packet to the destination, wherein:

packets retransmitted before the transmission of the session close notice packet are transmitted with the transmitted plurality of packets, and

after the session close notice packet is transmitted, retransmission is performed only for packets that are determined to be missing at the destination before the session close notice packet is received at the destination.

13. (New) A packet receiving method comprising:
receiving packets from a data transmitting source via a packet communication network;
determining whether an expected packet is missing or not;
calculating a round trip time required to communicate between the data transmitting source and a data receiving apparatus;

receiving a session close notice packet, which includes an indication of a session continuation time, from the data transmitting source;

issuing, during a retransmission communication session, a retransmission request for a packet determined to be missing;

closing the retransmission communication session based on a result of comparison between the calculated round trip time and the remaining part of the session continuation time indicated in the received session close notice packet; and

after the session close notice packet is received, issuing a retransmission request only for packets that are determined to be missing before the session close notice packet is received.